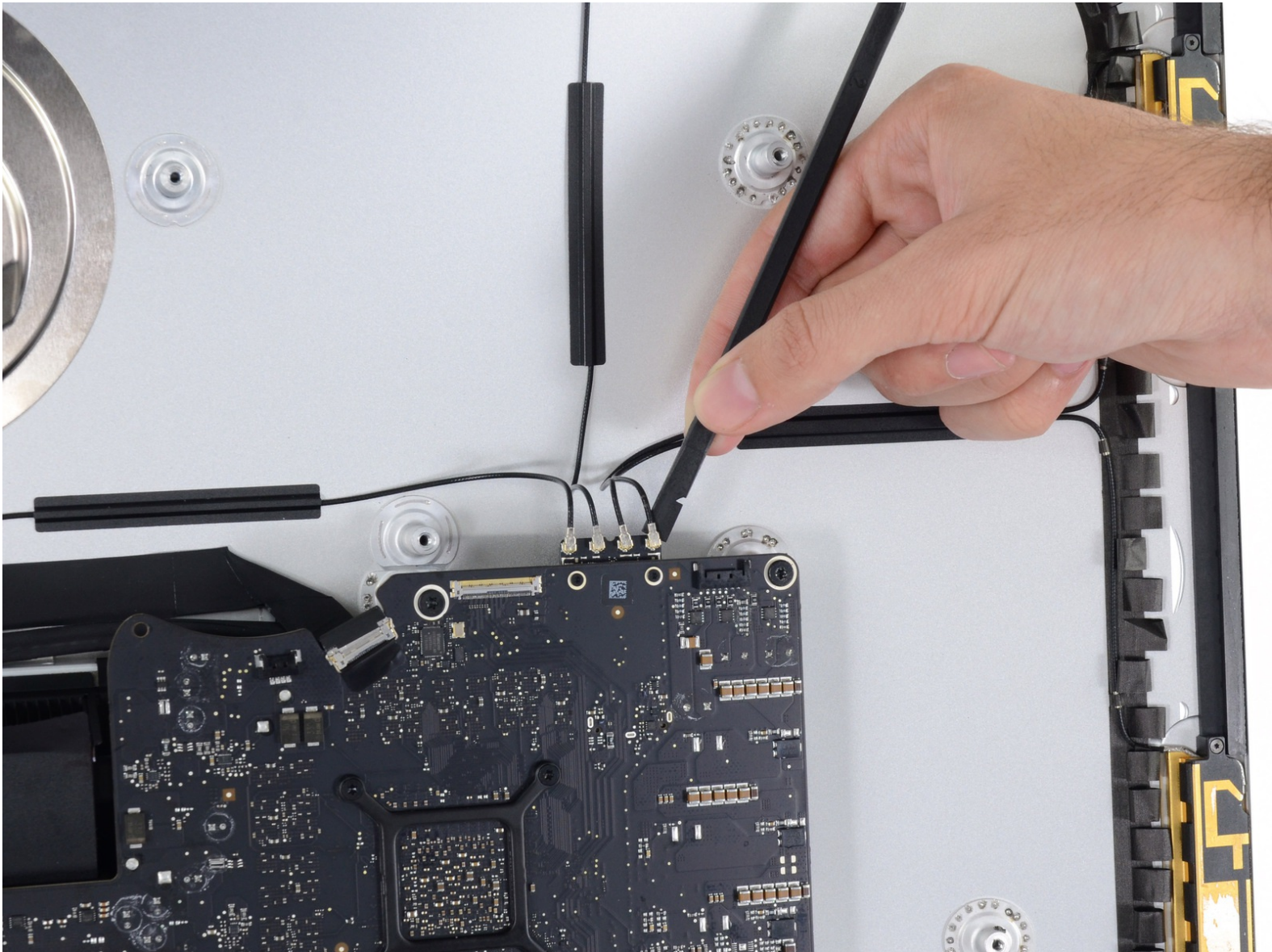




# iMac Intel 27" EMC 2546 Logic Board Assembly Replacement

Prerequisite guide for SSD, Heat Sink, SATA Cable.

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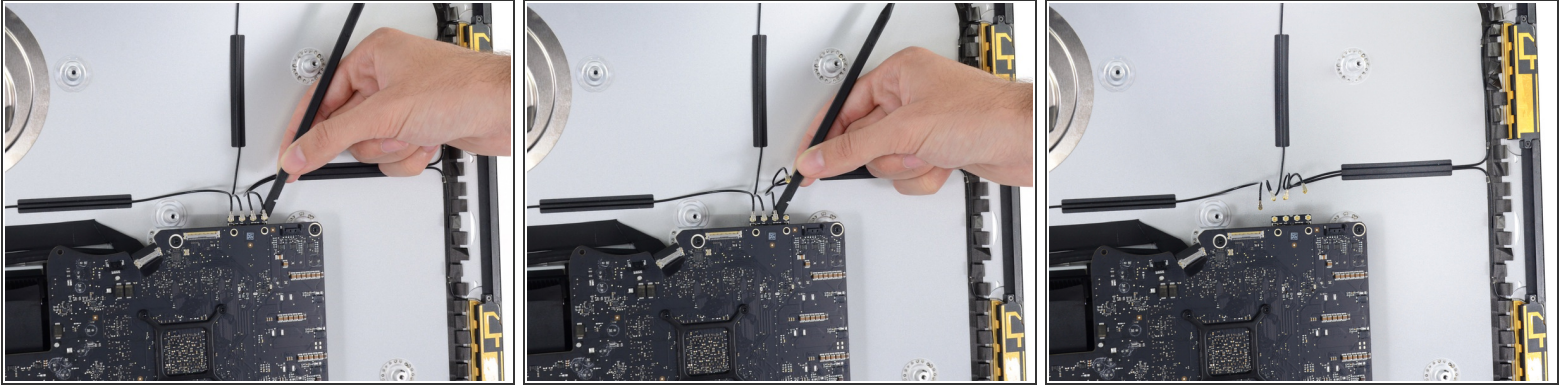




## TOOLS:

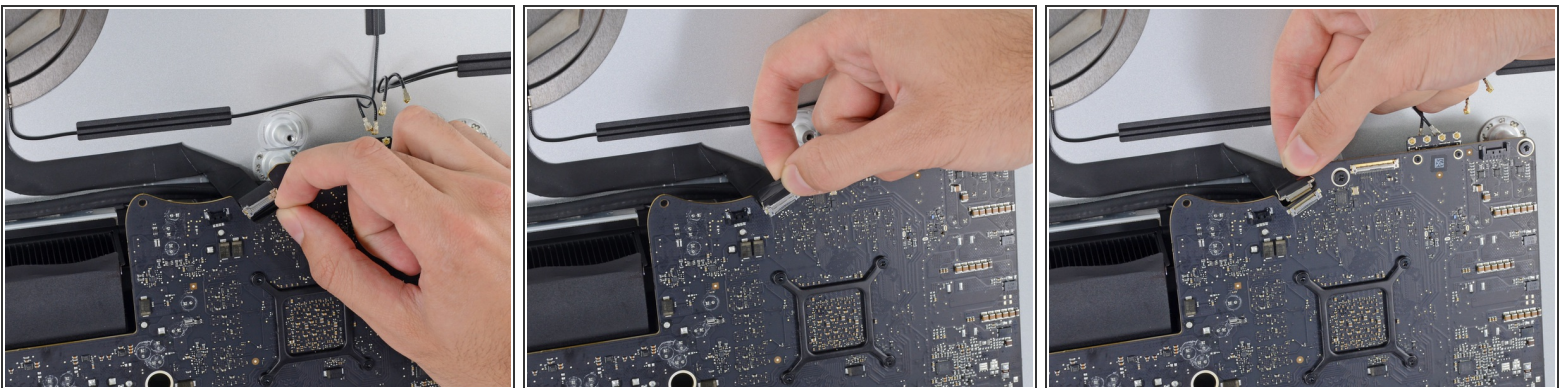
- [Spudger](#) (1)
  - [T10 Torx Screwdriver](#) (1)
  - [T25 Torx Screwdriver](#) (1)
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## Step 1 — Logic Board Assembly



- Use the flat end of a spudger to disconnect each of the four antenna connectors from the AirPort/Bluetooth card.
- ☑ Note the original positions for each connector when reconnecting the cables. From left to right on the card, the antennas are connected in the following order:
- Leftmost
  - Top
  - Upper right
  - Lower right

## Step 2

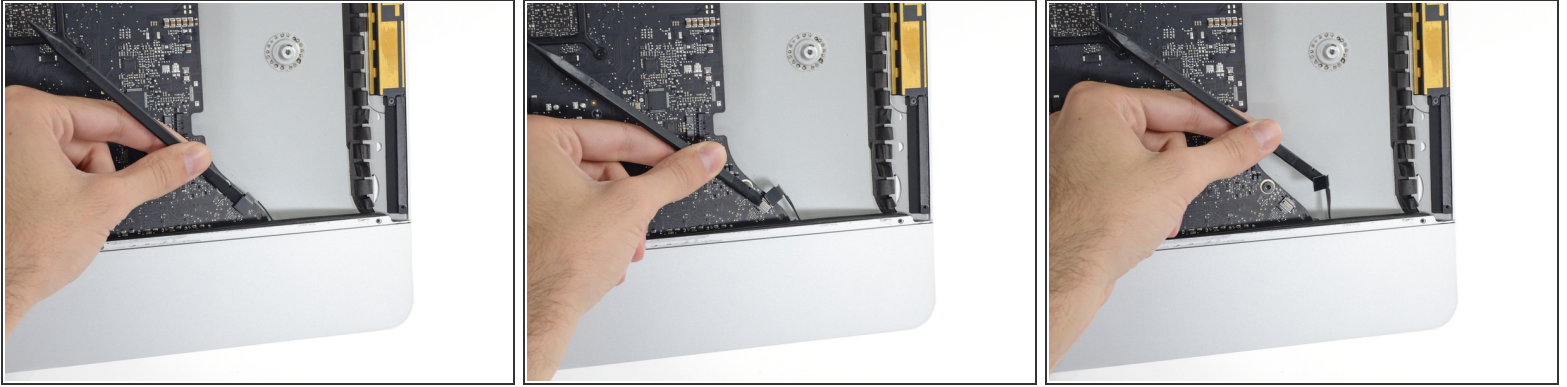


⚠ This is a delicate connection that can be easily broken.

- Flip up the metal retaining bracket on the iSight camera cable.
- Pull the camera cable connector straight out of its socket, toward the top of the iMac.

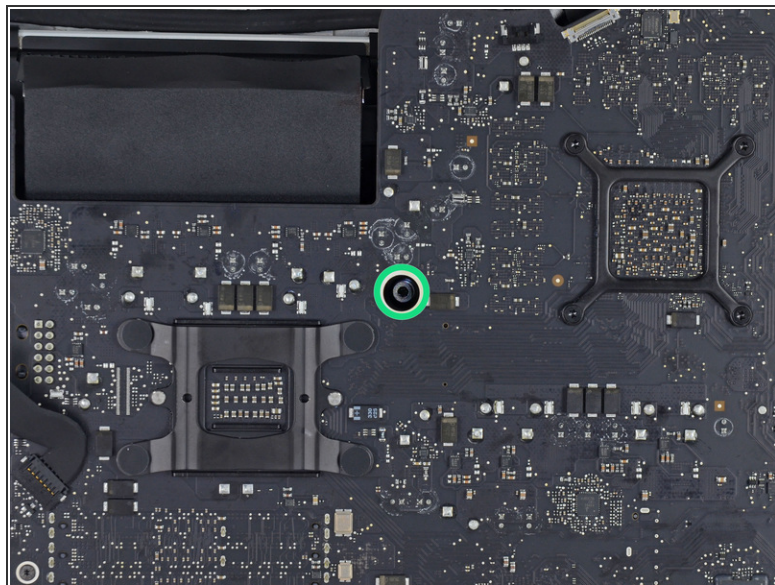
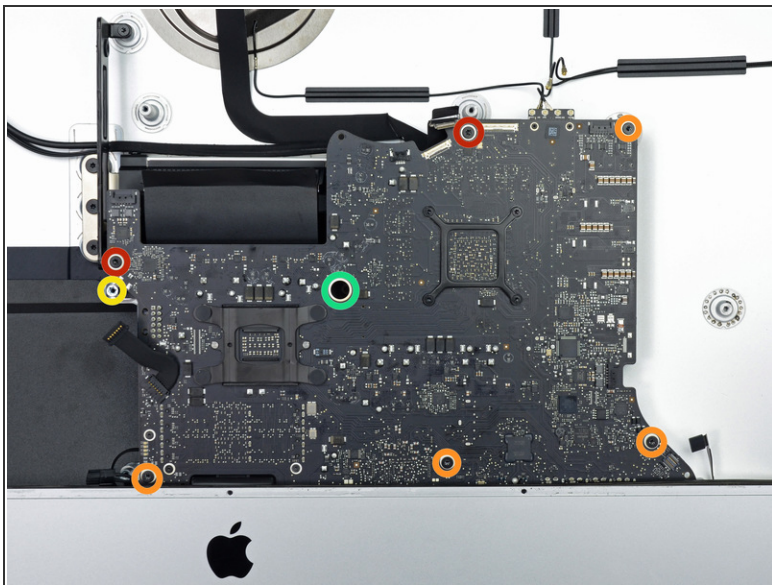


## Step 3



- Use the flat end of a spudger to disconnect the headphone jack cable connector from its socket on the logic board.
- Gently push the cable out of the way.

## Step 4

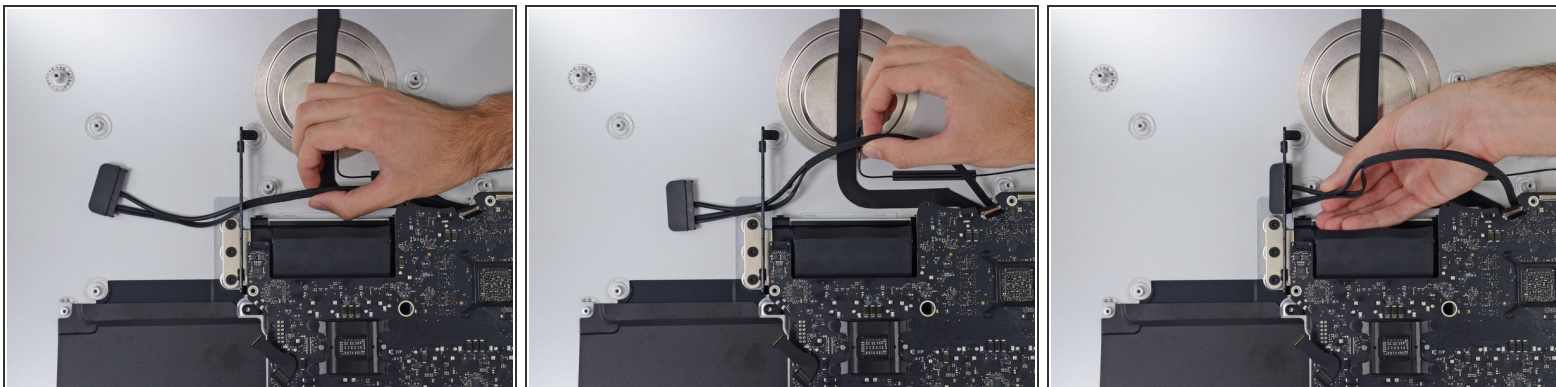


- Remove the following screws from the front of the logic board:

- Two 23.7 mm T10 screws
- Four 7.4 mm T10 screws
- One 20.8 mm T25 spacer screw
- One captive T10 screw

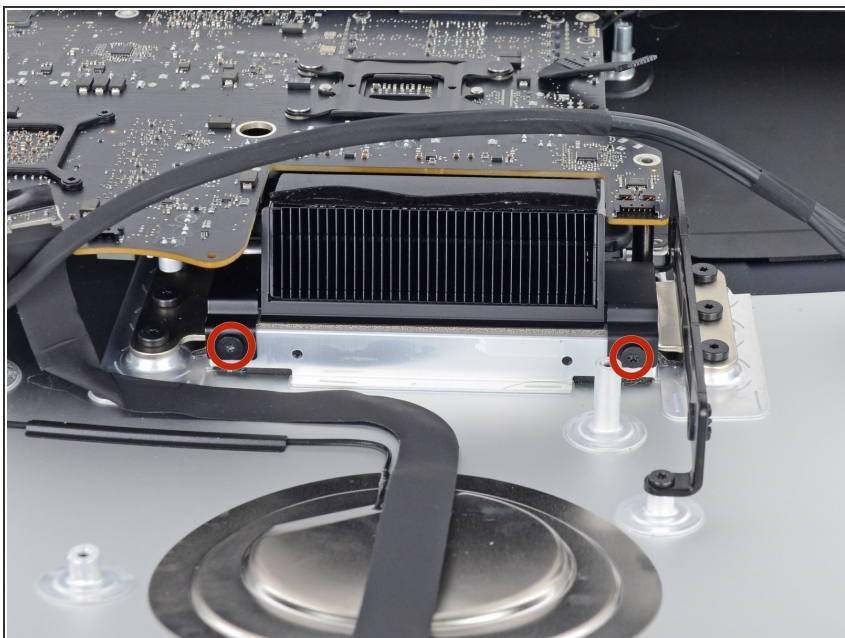
ⓘ This screw is beneath a hole in the logic board. You'll need a fixed screwdriver or the 60 mm extension from an iFixit driver kit to reach it.

## Step 5



- i** The hard drive SATA cable can't be removed just yet, but will get in the way of removing the logic board.
- Pull the cable and connector through the right hard drive bracket. Move the cable to the right side of the iMac, out of the way of the exhaust port.

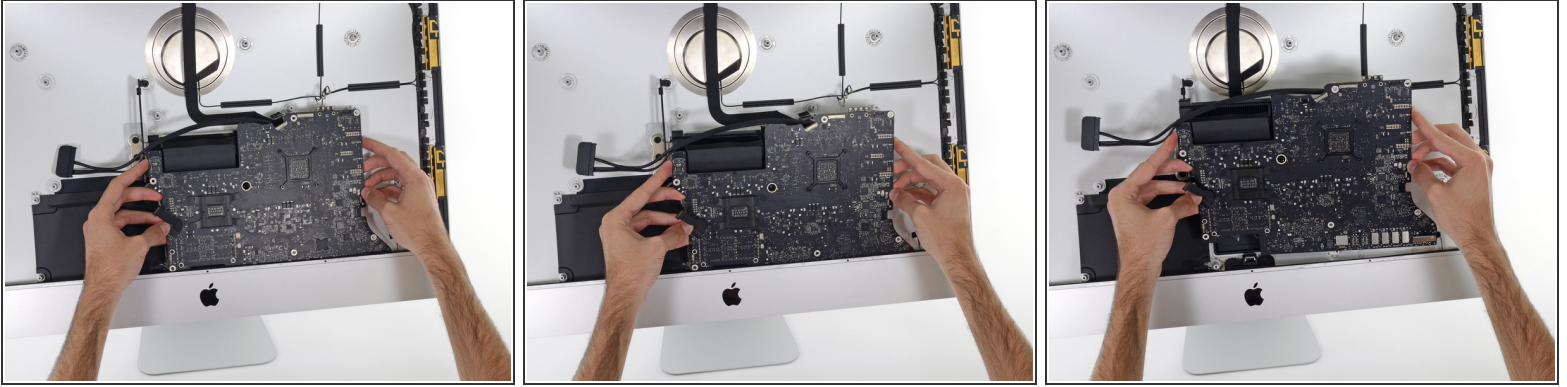
## Step 6



- Remove two 5.7 mm T10 screws from the top of the heat sink exhaust duct.



## Step 7



- Tilt the logic board slightly forward.
- Lift the logic board straight up and out of the iMac. Be careful not to snag on any of the screw posts attached to the inside of the rear case.

## Step 8



- When reassembling your iMac, be very careful to align the exterior I/O ports correctly. The logic board can sit crooked even when secured with all its screws.
- You can use a USB flashdrive or ethernet cable to ensure the logic board is seated correctly while you screw it in.

To reassemble your device, follow these instructions in reverse order.

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